

COMPLAINT

SECONDARY COMPLAINTS

Code 1811, maximum adapt or long shift, TCC slippage

• TCC piston failure • Excessive line pressure • Poor EPC control • 2nd gear starts

CAUSE

Actuator feed limit bore wear results in unregulated pressure at the EPC solenoid, 1-2, 3-4 shift solenoid and the 1-2, 3-4 shift signal circuit.

CORRECTION

This wear-resistant sleeve and valve assembly allows the salvage of the case cover by re-establishing hydraulic integrity of the AFL circuit.

AFL Valve & Sleeve Kit

84596-02K

- 1 Sleeve
- 1 Valve
- 1 Regulating Spring
- 1 Sleeve Retention Spring

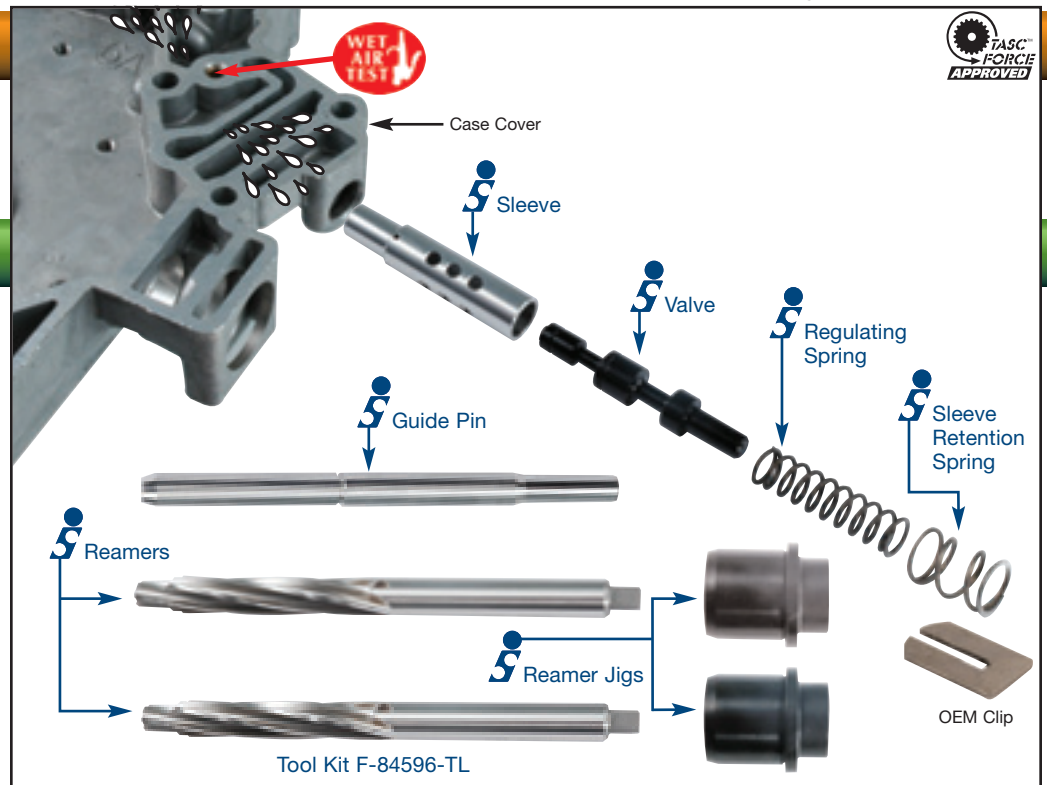


F-84596-TL

- 2 Reamers
- 2 Reamer Jigs
- 1 Guide Pin



Due to the nature of the channel plate design, the Sonnax Valve Body Reaming Fixture **VB-FIX** is required to use this tool kit.



Sonnax Part Summary

The OEM actuator feed limit (AFL) valve routes regulated line pressure to the pressure control solenoid and the 1-2, 3-4 shift signal circuit. Wear at the AFL valve bore can cause low torque signal and/or low 1-2, 3-4 shift solenoid and shift signal circuit pressure, resulting in Code 1811, maximum adapt or long shift, TCC slippage and wrong gear starts. Bore wear can also cause poor EPC control, leading to high line pressure and TCC piston damage. The Sonnax AFL valve and sleeve kit **84596-02K** restores hydraulic integrity to the AFL circuit.

Features & Benefits

- Highly wear-resistant aluminum sleeve provides more support and durability to prevent wear.
- Wear resistant hard-anodized valve maintains proper clearance with thermal expansion.
- Annular grooves center the valve to prevent wear.
- Regulating pressure is reduced by about 10 psi to prevent high line pressure, which can lead to TCC piston damage.